

ENCLOSURE 8



U.S. Department of Energy
Office of Civilian Radioactive Waste Management



Key Technical Issue Resolution

Presented to:

DOE/NRC Quarterly Management Meeting

Presented by:

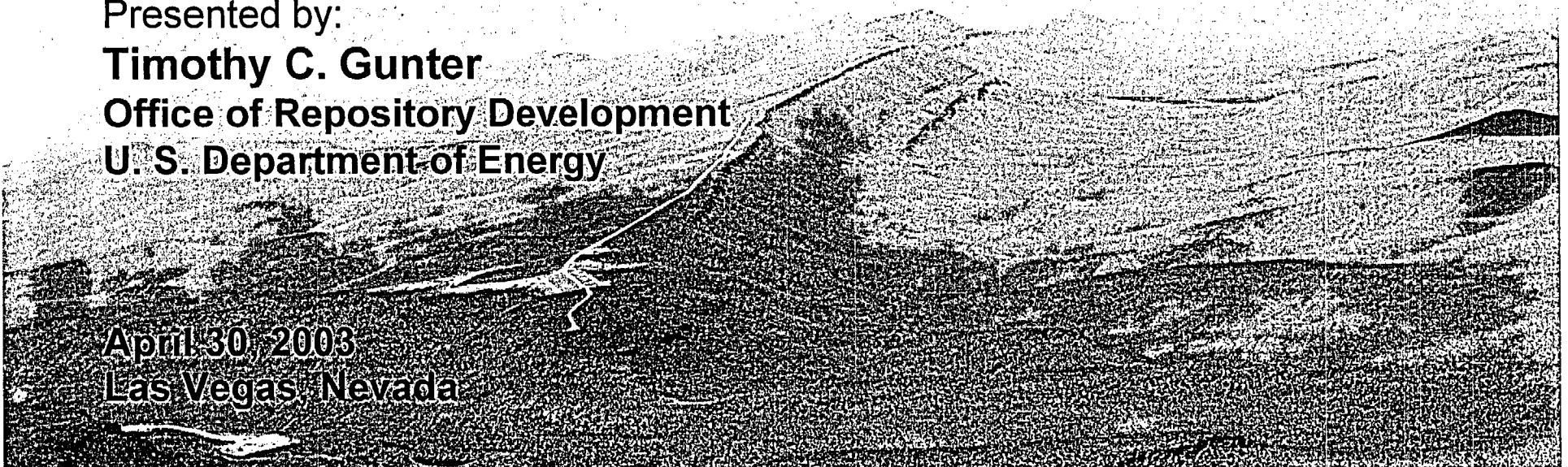
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U. S. Department of Energy

April 30, 2003

Las Vegas, Nevada



Key Technical Issues Submittal Status

- **DOE will address remaining Key Technical Issue (KTI) agreements by the time of License Application**
- **FY03-FY05 plan for delivery of KTI agreements was provided to NRC on September 24, 2002**
- **Project schedule for work required to complete KTI agreements is contingent on re-planning effort underway**
- **DOE will keep NRC staff informed of any anticipated changes to submittal schedule**

Key Technical Issues Submittal Status

(Continued)

- **Appendix 7 meetings or Technical Exchanges have been scheduled as appropriate**
- **Additional meetings will be scheduled as necessary to support NRC review**
- **63 KTI agreement responses are scheduled for submittal in FY03**
 - 18 scheduled to NRC from October through April
 - Of the 18 scheduled, 7 delivered to NRC
 - 3 additional KTIs submitted early



Summary Key Technical Issue Status

Agreements reached	<u>293</u>
Complete responses submitted	125
♦ NRC needs additional information	35
♦ In NRC review	13
♦ Agreements complete	77
Partial responses submitted	26
Responses not yet submitted	142



YUCCA MOUNTAIN PROJECT

Key Technical Issue Agreement Summary

(reflects activities through April 21, 2003)

KTl	Agreements Reached	In NRC Review	Partial Responses Submitted	Responses Not Yet Submitted	NRC Needs Additional Information	Agreements Complete
CLST	58	1	3	23	11	20
ENFE	41	3	7	17	2	12
GEN	1	0	1	0	0	0
IA	22	0	0	7	3	12
PRE**	9	1	0	6	1	1
RDTME	23	1	2	20	0	0
RT	29	1	3	16	4	5
SDS	10	1	4	0	1	4
TEF	15	1	2	4	1	7
TSPAI	58	4	2	37	9	6
USFIC	27	0	2	12	3	10
TOTAL	293	13	26	142	35	77
**Note: Preclosure safety is not considered a Key Technical Issue, but is listed as a topic of interest to the NRC.						



Key Technical Agreement Item Response Process Improvements

- **Implemented process improvements for preparation and delivery of KTI agreement responses**
 - **Ongoing DOE/NRC technical staff discussion**
 - **Assessment using Six Sigma approach ongoing to identify process improvement initiatives. Scheduled completion June, 2003**
 - **Process improvement identified in self assessment on USFIC 5.05 and RT 2.09 will be initiated**
- **Logical grouping of similar KTIs is being analyzed for common submittal potential**



Self Assessment on USFIC 5.05 and RT 2.09

- NRC identified apparent errors or inconsistencies in the reports
- Self assessment identified certain material not subjected to detailed technical review and checking
- AP-REG-014, Information or Material for Regulatory Response, will be revised by June 4, 2003 to clarify the requirement for technical information submitted to NRC to be formally checked
- Revised response scheduled for submittal September 2003



Total System Performance Assessment (Total System Performance Assessment and Integration) 3.37 Path Forward

- **Initial response to agreement addressed Total System Performance Assessment (TSPA)-Site Recommendation (SR) methods; NRC expects TSPA-License Application (LA) method to be submitted**
- **TSPA-LA method has now been selected**
- **New process model will replace TSPA-SR model**
- **Revised response to the agreement scheduled for submittal in April 2004**



Risk Informed Key Technical Issue Agreements

- **Risk information submitted to close 9 agreements**
- **NRC Staff has responded with additional information needs for 5 of these agreements and the DOE Risk Prioritization Report**
- **DOE needs clarification regarding combined effects of uncertainty**
- **Additional dialog planned for mid-May**
- **Submittal of additional information and risk information regarding approximately 27 agreements is pending**



Conclusion

- **DOE will address remaining KTI agreements by the time of License Application**
- **DOE will keep NRC informed of any necessary changes to KTI agreement schedule**
- **Additional Appendix 7 meetings or Technical Exchanges will be scheduled as appropriate**
- **Additional dialog scheduled regarding risk informed approach to KTI resolution**



Consolidated Action Items
From The
NRC/DOE Quarterly Management Meetings
(April 30, 2003)

Item No.	Description	Status
MM 0112-02	DOE will provide NRC additional information on how Morgan-Lewis recommendations regarding SCWE concerns are addressed in the OMII.	Complete. SCWE concerns are now one of the major objectives in the OMII and were discussed at the April, July, and October QA and Management meetings. DOE agreed to append a table showing how SCWE recommendations from Morgan-Lewis report are being addressed. This table was provided in the October 2002 meeting summary as Enclosure 15. DOE will continue to update the status of the MII progress in future Management Meetings. Therefore, this action is considered complete.
MM 0109-02	To assure NRC ability to assess the concerns program adequacy, NRC requests follow-up discussion in management meetings on the OCRWM concerns program, specifically how feedback is provided to employees.	Complete. This action item was discussed in the December 2001 and April 2002 and July Quarterly Management Meetings. The adequacy of OCRWM concerns program resources and path forward was further discussed during the October 2002 Management Meeting. DOE will continue to update the status of the MII progress in future Management Meetings. Therefore, this action item is considered complete.
MM 0301-01	DOE will interact with NRC in the near term to establish a schedule for interactions on KTI agreements and other program issues such as repository design and level of detail, preclosure, and the EIS process	DOE has communicated with the NRC and established a proposed schedule for the remainder of the calendar year. Recommend this item be considered complete.
MM 0301-02	DOE will provide high-level metrics for the MII results and performance at the next quarterly management meeting.	This material is scheduled for presentation at the April 2003 Quarterly Management Meeting. Recommend this item be considered complete following the meeting.
MM 0301-03	DOE requested that NRC consider making a copy of the draft final YMRP available to DOE before it is issued as a NUREG. NRC agreed to communicate DOE's request to the Commission.	The Commission released the draft final Revision 2 to the YMRP for information. Recommend this item be considered complete.

-----Note: The Quarterly Management Meeting action items are designated as "MM yy-mm-nn" where yy is a two digit year, mm is a two digit month and nn is a two digit action item number from that meeting.